

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re Patent Application of:	)	Examiner:	Unknown
	)		
Yoshihiro Hashimoto et al.	)	Group Art Unit:	Unknown
	)		
International Appln. No. PCT/JP04/03852	)	Confirmation No.:	2809
	)		
Serial No.: 10/593,661	)		
	)		
Filing Date: September 20, 2006	)		
	)		
For: METHOD FOR GENERATING	)		
CARRIER RESIDUAL SIGNAL	)		
AND ITS DEVICE	)		

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MAIL STOP PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97(b)**

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicant brings to the attention of the Examiner the documents listed on the attached PTO-1449. This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. Copies of the listed documents are attached.

Applicant respectfully requests that the Examiner consider the listed documents and evidence that consideration of relevant portions thereof by making appropriate notations on the attached form.

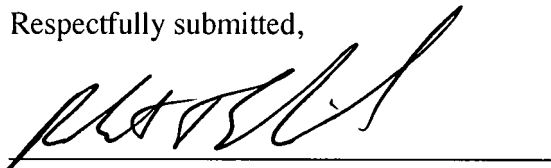
This submission does not represent that a search has been made or that no other material information as defined in 37 C.F.R. § 1.56(a) exists and does not constitute an admission that each or all of the listed documents are material or constitute “prior art.” If it should be determined that any of the listed documents do constitute “prior art” under United States law, Applicant reserves

the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If a fee is required for an extension of time under 37 C.F.R. § 1.136 not accounted for above, such extension is requested and the Commissioner is authorized to charge any additional fees in connection with the filing of this statement to our Deposit Account No. 50-0305.

Respectfully submitted,



Robert J. Schneider

Reg. No. 27,383

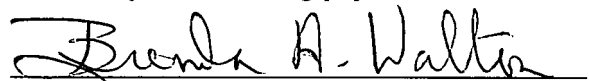
Date: May 30, 2007  
Chapman and Cutler LLP  
111 West Monroe Street, Suite 1700  
Chicago, Illinois 60603-4080  
(312) 845-3919

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents on the date indicated below.

Brenda A. Walton

Name of person mailing paper



Signature

May 30, 2007

Date

Substitute for form 1449/PTO

*(Use as many sheets as necessary)*

**Complete if Known**

Application Number	10/593,661
Filing Date	09/20/2006
First Named Inventor	Hashimoto, Yoshihiro
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	1717727

Sheet	1	of	2
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## U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
		JP 2000-091999 (with English Abstract)	03-31-2000	Matsushita Electric Ind Co Ltd		
		JP 2002-353897 (with English Abstract)	06-12-2002	Nippon Telegr & Teleph Corp		
		JP 2004-080409 (with English Abstract)	03-11-2004	Communication Research Lab		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND**

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/593,661
				Filing Date	09/20/2006
				First Named Inventor	Hashimoto, Yoshihiro
				Art Unit	Unknown
				Examiner Name	Unknown
Sheet	2	of	2	Attorney Docket Number	1717727

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium; catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		NOGUCHI, K., et al., Millimeter-Wave Ti:LiNbO <sub>3</sub> Optical Modulators, Journal of Lightwave Technology, Vol. 16, No. 4, April 1998, pp. 615-619	
		HIGUMA, K., et al., X-cut LiNbO <sub>3</sub> Optical SSB-SC Modulator, Technical Report 2002, Advanced Materials and Opto-Electronics, Sumitomo Osaka Cement Co., Ltd., pp. 17-21	✓
		HIGUMA, K., et al., The Development of X-cut LiNbO <sub>3</sub> Optical Frequency Shifter / SSB-SC Modulator, Technical Report of the Institute of Electronics, Information and Communication Engineers, Vol. 101, No. 656, February 15, 2002, pp. 59-64 (with English Abstract)	
		MURATA, H., et al., Novel Guided-Wave Single-Sideband Electrooptic Modulators by Using Periodically Domain-Inverted Structure, Proceedings of the Conference on Lasers Electro-Optics, May 19-24, 2002, pp. 204-205	

Examiner Signature		Date Considered	
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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